

Architectural Thesis

Designs

Texts

B. S.
1904

UNIVERSITY OF ILLINOIS
LIBRARY

BOOK	CLASS	VOLUME
1904	A12	

The person charging this material is responsible for its return to the library from which it was withdrawn on or before the **Latest Date** stamped below.

Theft, mutilation, and underlining of books are reasons for disciplinary action and may result in dismissal from the University.

UNIVERSITY OF ILLINOIS LIBRARY AT URBANA-CHAMPAIGN

BUILDING USE ONLY

DEC 6 1977

DEC 7 1977

BUILDING USE ONLY

FEB 10 1978

FEB 10 1978

FEB 10 1978

A PUBLIC TRADE SCHOOL

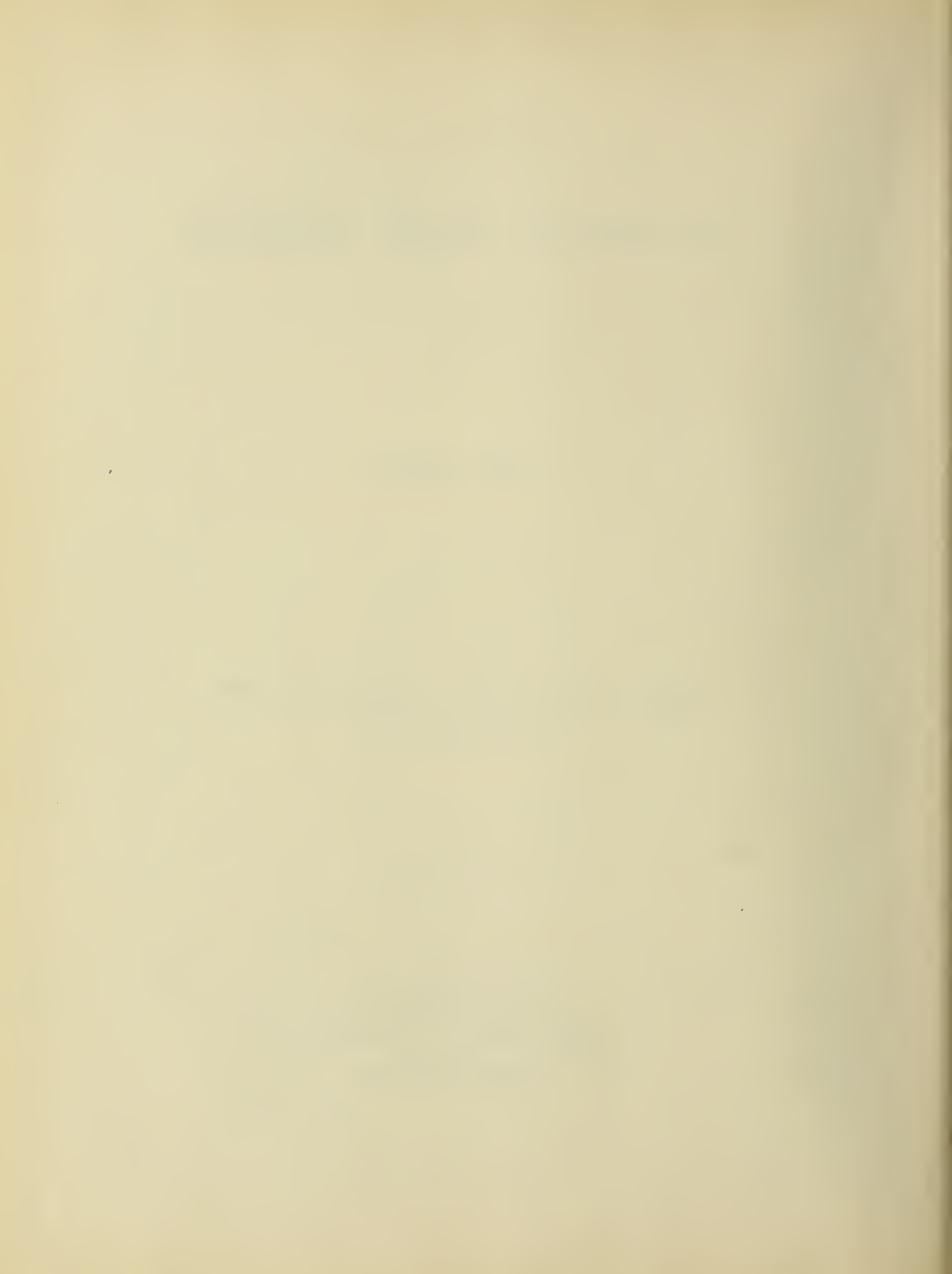
BY

OTTO JANSSEN

THESIS FOR THE DEGREE OF BACHELOR OF SCIENCE
IN ARCHITECTURE

COLLEGE OF ENGINEERING
UNIVERSITY OF ILLINOIS

PRESENTED JUNE 1904



UNIVERSITY OF ILLINOIS

May 27, 1904 190

THIS IS TO CERTIFY THAT THE THESIS PREPARED UNDER MY SUPERVISION BY

OTTO JANSSEN

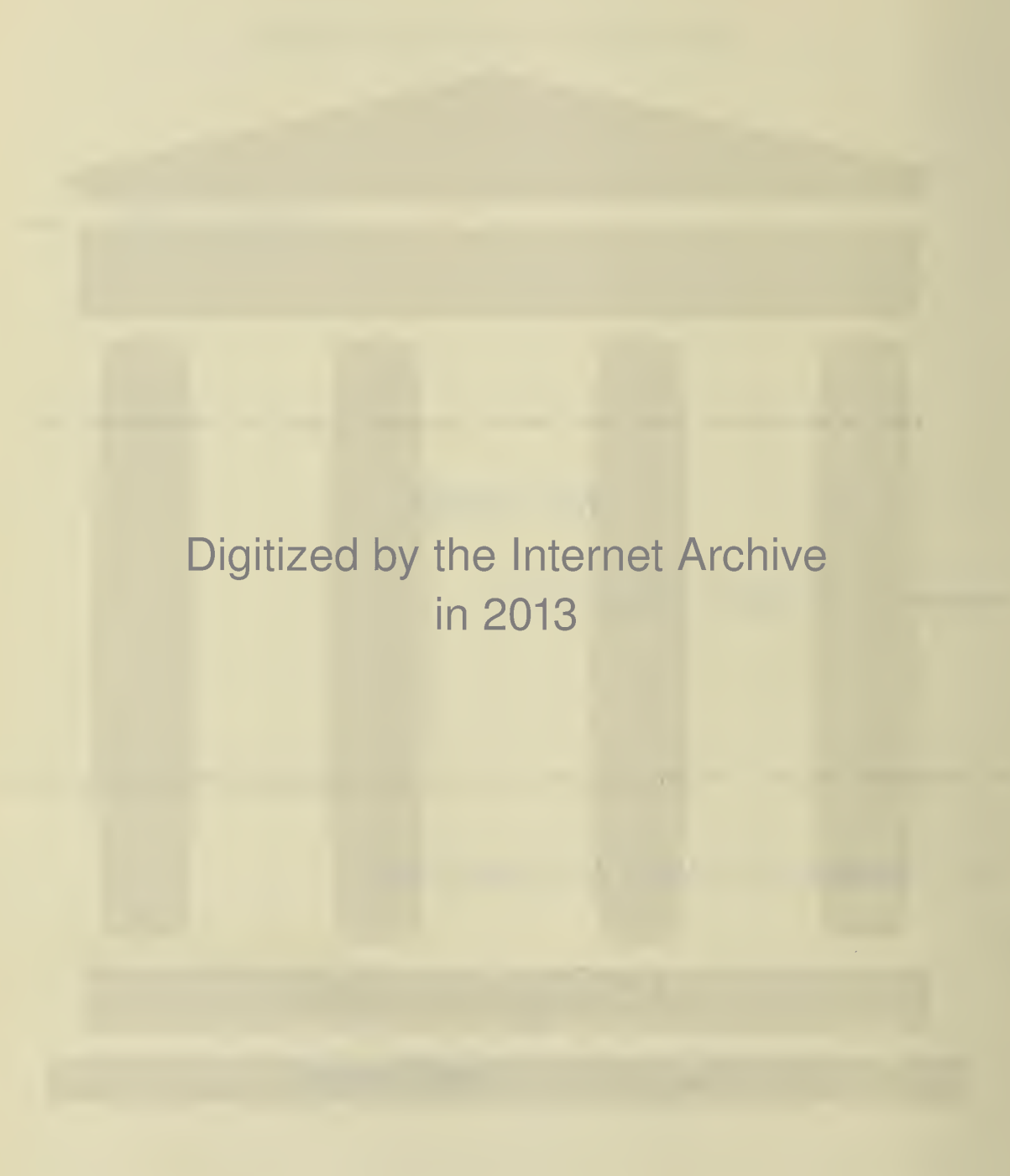
ENTITLED A PUBLIC TRADE SCHOOL

IS APPROVED BY ME AS FULFILLING THIS PART OF THE REQUIREMENTS FOR THE DEGREE

OF Bachelor of Science in Architecture

C. C. Clifford Pickens

HEAD OF DEPARTMENT OF Architecture



Digitized by the Internet Archive
in 2013

http://archive.org/details/publictradeschoo00jans_0

1909
Ar 2

A Public Trade School.

The purpose of a trade school is to furnish instruction to young men along practical technical lines. Assuming that the young man has completed his grammar school work, the State will, in the public trade school, offer him the opportunity of learning some useful trade. In order that his education may not be one-sided and in order that the State may get an intelligent as well as useful citizen, supplementary instruction in history, literature, modern languages, mathematics, etc will be given.

In preparing the design presented for this thesis, three things have been kept in mind, first, the above general purpose, second the fact that the building trades have the largest following, third that space and expenditure would be limited at least in the experimental stage.

The one principal requirement of this problem assumed was that the state having made an appropriation desired to erect upon a given lot located in or near the manufacturing district of a large city a group of buildings designed for, and to be "devoted to the education of our future handicraftsmen" This particular school was to be devoted to the building trades.

For this problem the following were assumed as general requirements, viz:-

A main hall containing recitation rooms, class rooms, laboratories, etc. for the pursuit of scientific and so-called classical branches.

A wood shop having space for the machinery, benches and tools, needed in the principal wood-working trades.

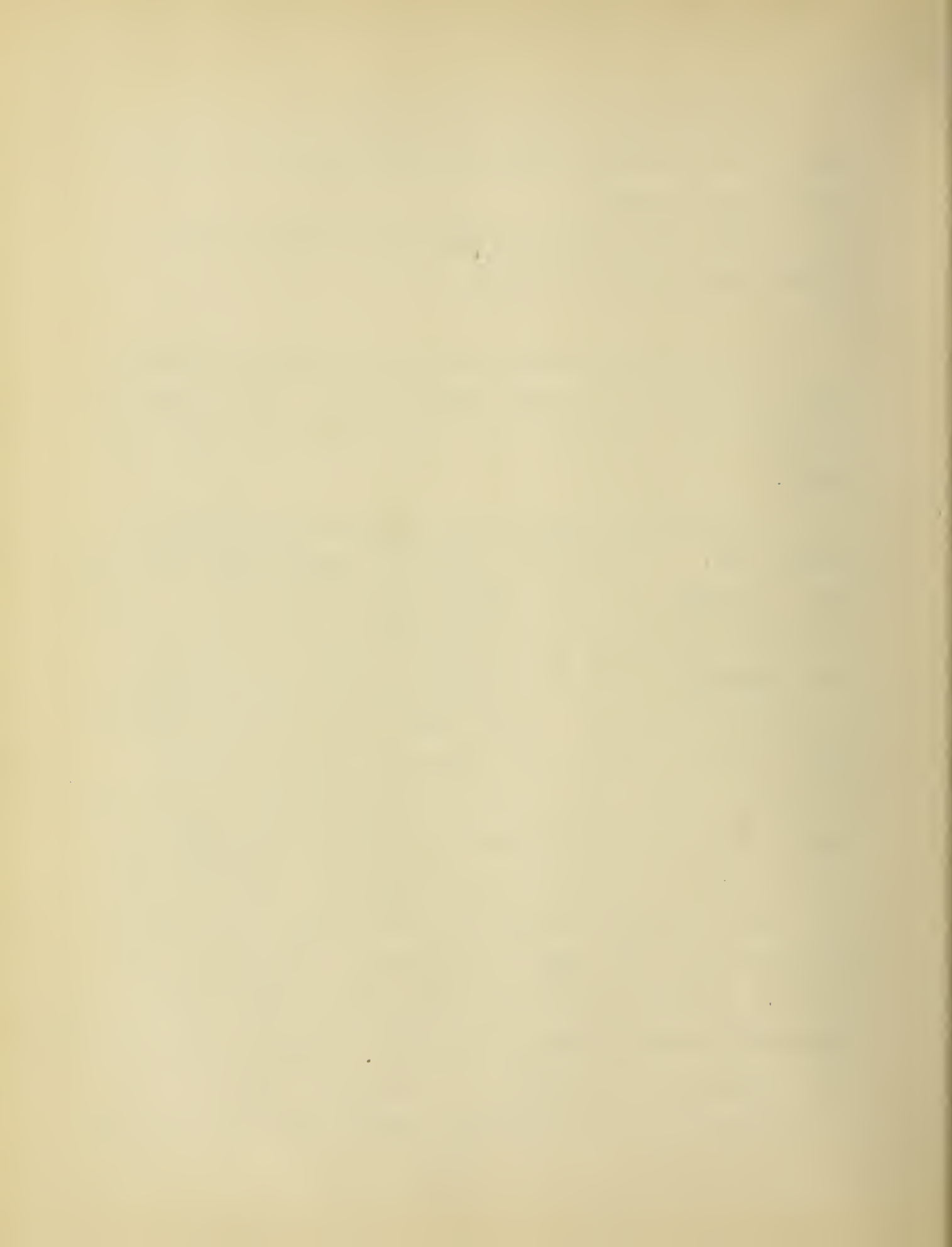


A masonry shop containing the machinery, scaffolding, and such apparatus as is usually required in the practice of the mason's and plasterer's craft.

A metal shop having such space as is usually found in commercial shops of the same class.

A heat and power plant containing smoke-stack, economizer, coal bins, boilers, engines and dynamos, such as will be required to furnish heat, power and light to all of the buildings of the group..

In the planning simplicity and directness have been the constant aim. A practically continuous passage leads from building to building along the principal axis of the group. At right angles to this and through the center of each of the shops are other passages. These furnish an easy direct means of ingress, egress, and circulation. Cement walks permit movement from one shop to another outside of buildings yet not on the street. An attempt has been made to get such arrangement and to give such space to the several departments as is found in the ideal commercial shops of the same class and capacity. Each building except for connecting corridors is independent of the others, has light on all four sides and is specially designed for its purpose. However an attempt has been made to unify these independent component parts into one group having a common purpose. Altogether the desire of the designer has been to get a collection of practical buildings together upon one plot, assem-

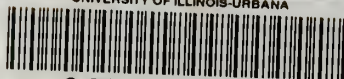


ble these in an orderly manner, tie them together, and finally to beautify them in a simple unpretentious way.





UNIVERSITY OF ILLINOIS-URBANA



3 0112 086762660